RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/615,571A
Source: IFW16
Date Processed by STIC: 02/16/2006

ENTERED

IFW16

RAW SEQUENCE LISTING DATE: 02/16/2006
PATENT APPLICATION: **US/09/615,571A** TIME: 11:26:03

Input Set : **N:\Crf4\02152006\I615571.raw**
Output Set: **N:\CRF4\02152006\I615571A.raw**

1 <110> APPLICANT: Paul Harris
2 Kimberly M. Brown
3 <120> TITLE OF INVENTION: Polypeptides Having Phospholipase B
4 Activity And Nucleic Acids Encoding Same
5 <130> FILE REFERENCE: 5951.000-US
6 <140> CURRENT APPLICATION NUMBER: US/09/615,571A
7 <141> CURRENT FILING DATE: 2000-07-13
8 <150> PRIOR APPLICATION NUMBER: US/09/426,072
9 <151> PRIOR FILING DATE: 1999-10-21
10 <160> NUMBER OF SEQ ID NOS: 4
11 <170> SOFTWARE: FastSEQ for Windows version 3.0
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 2318
15 <212> TYPE: DNA
16 <213> ORGANISM: Aspergillus oryzae
17 <400> SEQUENCE: 1
18 aattcctgga caacaatccc tttgagagtg atagtaaggg ggatgaactg agatgctaag 60
19 ctcacgttct tcgccttggc gtaggctgcc ccatgtcttg gtttagtgct tctctccacc 120
20 ctagtagctt agccattgct tgtccaatcc cattcccatc tcgcatcacg ctctatttat 180
21 gaccaaggct gtcaaatgag agccccactc atgtggcctc cacttcatat tgttttcttt 240
22 gtcgataaga ctgtcatccc gtctccggtg gcttccacga agaacgattt gtaaagatgg 300
23 atagcgatag gctgcccttg gtcggtatga agccgaagtc cctcgtgcct cgatggatat 360
24 gcgcttcaac ccgacgcaca gcgcacgtgg tatccgaatg ggacggaaag gtagctcctc 420
25 cagtgggcta tataagcctt tccctggccg ggctcagact ccctagcaag cagcattgtt 480
26 caagctcacg acctcaatcc gcgagtaaac atgaagtcca ccgctctgct tactggtctc 540
27 ggcctcttgg cctctctcgg tcttgctagc cctgtcacgt ccgagtatac gagcgtgcga 600
28 gaagcccctt tcggatacaa gcctggctcc aaggagtcca ttgagaactt gaaggacaag 660
29 gtcgagaaca ttgtctggct tattctcgag aacaggtttg tgtgcccttа cgatattcat 720
30 atgtggaata ataaattcct caattcagct tgtggtatgt gaagacgagc actaacatat 780
31 ggtccagatc cttcgataac attctgggag gcgtgcgccg ccaaggactg gacaacccga 840
32 tcaacaacgg cccgttctgc aactacaaga atgcgagcga cccatcctcg ggcaagtact 900
33 gtactcaggc caaggactat gattccgtgt tcaacgatcc agaccactcc gtgactggta 960
34 ataacttgga gttctacgga acttacaccc caaacaatgg tgcgattgcc agtggcaagg 1020
35 tcgtcgccga ccagtctggc ttcctcaacg cacagcttaa cgactacccc aaactggccc 1080
36 cagaagaggc gacaaggcaa gtgatgggat actatacgga ggaggaggtt cctacgctcg 1140
37 tggaccttgt ggatgagttc actactttca acagctggtt ctcgtgtgtt cctggcgtaa 1200
38 gtgcgataaa tctgtatatt tttaattttg actaacgcgt tcaaaagcct accaacccca 1260
39 accgcttgtg cgctctggca ggaaccgctg ctgggcatgg caagaatgac gatgacttcc 1320
40 tgaactatgg tatctctagc aagtccatct tcgaggccgc caacgagaag ggcgtgtcct 1380
41 ggctcaacta cgatggcacc aacggagaat tcgaaccgga ttctctcttc ttcacctacg 1440
42 tcaaccagac ctcccggtcc aacgtggtgc ccgttgaaaa cttcttccaa gacgcctacc 1500
43 tcggtgtcct ccctaaattc tcttacatta acccctcctg ctgcggcacc aacaccaact 1560
44 ccatgcaccc caccggtaac gtctcctacg gtgaggtctt cgtcaagcag atctatgatg 1620

RAW SEQUENCE LISTING DATE: 02/16/2006
PATENT APPLICATION: **US/09/615,571A** TIME: 11:26:03

Input Set : **N:\Crf4\02152006\I615571.raw**
Output Set: **N:\CRF4\02152006\I615571A.raw**

ccattcgcca gggccctcag tgggacaaga ccctgctctt cattacctac gacgagaccg 1680
gtggcttcta cgaccatgtc cctccccctc tcgccgtccg cccggacaac ctgacctaca 1740
ctgagactgc gaagaacggt cagaaataca ctcttcactt cgaccgtctg ggtggccgca 1800
tgccgacctg ggttatctcc ccttacagta agaagggata catcgagcag tacggaacgg 1860
atcccgtcac gggcaagccc gctccctaca gtgctacctc cgtcctcaag actctcggat 1920
atctctggga catcgaggac ttcacccctc gtgtcgccca ctctccatct ttcgatcacc 1980
tgatcggcac gactttgcgt gaggatgctc ctattgctct caagactccc catacctttt 2040
cggtataagt ctcagtccgt gcagtgagac aggattaaaa gtgatgatga acgttctgac 2100
ttcagtgaac gattacatgt tatagagcat tgttttgctt atagctacgc ctagagcgag 2160
cgcgatgatg ataagataaa gctgggttat ttctctattg tatattcatt aatgaaagac 2220
tttgataaca tgggatttaa aaaggaaatg ttttcttgca caatcaactc acggaacagg 2280
cgtaacttta cgatgactgc accccggata cattaatt 2318

<210> SEQ ID NO: 2
<211> LENGTH: 464
<212> TYPE: PRT
<213> ORGANISM: Aspergillus oryzae
<400> SEQUENCE: 2

Met Lys Ser Thr Ala Leu Leu Thr Gly Leu Gly Leu Leu Ala Ser Leu
1 5 10 15
Gly Leu Ala Ser Pro Val Thr Ser Glu Tyr Thr Ser Val Arg Glu Ala
20 25 30
Pro Phe Gly Tyr Lys Pro Gly Ser Lys Glu Ser Ile Glu Asn Leu Lys
35 40 45
Asp Lys Val Glu Asn Ile Val Trp Leu Ile Leu Glu Asn Arg Ser Phe
50 55 60
Asp Asn Ile Leu Gly Gly Val Arg Arg Gln Gly Leu Asp Asn Pro Ile
65 70 75 80
Asn Asn Gly Pro Phe Cys Asn Tyr Lys Asn Ala Ser Asp Pro Ser Ser
85 90 95
Gly Lys Tyr Cys Thr Gln Ala Lys Asp Tyr Asp Ser Val Phe Asn Asp
100 105 110
Pro Asp His Ser Val Thr Gly Asn Asn Leu Glu Phe Tyr Gly Thr Tyr
115 120 125
Thr Pro Asn Asn Gly Ala Ile Ala Ser Gly Lys Val Val Ala Asp Gln
130 135 140
Ser Gly Phe Leu Asn Ala Gln Leu Asn Asp Tyr Pro Lys Leu Ala Pro
145 150 155 160
Glu Glu Ala Thr Arg Gln Val Met Gly Tyr Tyr Thr Glu Glu Glu Val
165 170 175
Pro Thr Leu Val Asp Leu Val Asp Glu Phe Thr Thr Phe Asn Ser Trp
180 185 190
Phe Ser Cys Val Pro Gly Pro Thr Asn Pro Asn Arg Leu Cys Ala Leu
195 200 205
Ala Gly Thr Ala Ala Gly His Gly Lys Asn Asp Asp Asp Phe Leu Asn
210 215 220
Tyr Gly Ile Ser Ser Lys Ser Ile Phe Glu Ala Ala Asn Glu Lys Gly
225 230 235 240
Val Ser Trp Leu Asn Tyr Asp Gly Thr Asn Gly Glu Phe Glu Pro Asp
245 250 255

RAW SEQUENCE LISTING DATE: 02/16/2006
PATENT APPLICATION: **US/09/615,571A** TIME: 11:26:03

Input Set : **N:\Crf4\02152006\I615571.raw**
Output Set: **N:\CRF4\02152006\I615571A.raw**

```
95        Ser Leu Phe Phe Thr Tyr Val Asn Gln Thr Ser Arg Ser Asn Val Val
96                    260                 265                 270
97        Pro Val Glu Asn Phe Phe Gln Asp Ala Tyr Leu Gly Val Leu Pro Lys
98                275                 280                 285
99        Phe Ser Tyr Ile Asn Pro Ser Cys Cys Gly Thr Asn Thr Asn Ser Met
100            290                 295                 300
101        His Pro Thr Gly Asn Val Ser Tyr Gly Glu Val Phe Val Lys Gln Ile
102        305                 310                 315                 320
103        Tyr Asp Ala Ile Arg Gln Gly Pro Gln Trp Asp Lys Thr Leu Leu Phe
104                        325                 330                 335
105        Ile Thr Tyr Asp Glu Thr Gly Gly Phe Tyr Asp His Val Pro Pro Pro
106                    340                 345                 350
107        Leu Ala Val Arg Pro Asp Asn Leu Thr Tyr Thr Glu Thr Ala Lys Asn
108                355                 360                 365
109        Gly Gln Lys Tyr Thr Leu His Phe Asp Arg Leu Gly Gly Arg Met Pro
110            370                 375                 380
111        Thr Trp Val Ile Ser Pro Tyr Ser Lys Lys Gly Tyr Ile Glu Gln Tyr
112        385                 390                 395                 400
113        Gly Thr Asp Pro Val Thr Gly Lys Pro Ala Pro Tyr Ser Ala Thr Ser
114                        405                 410                 415
115        Val Leu Lys Thr Leu Gly Tyr Leu Trp Asp Ile Glu Asp Phe Thr Pro
116                    420                 425                 430
117        Arg Val Ala His Ser Pro Ser Phe Asp His Leu Ile Gly Thr Thr Leu
118                435                 440                 445
119        Arg Glu Asp Ala Pro Ile Ala Leu Lys Thr Pro His Thr Phe Ser Val
120            450                 455                 460
122 <210> SEQ ID NO: 3
123 <211> LENGTH: 27
124 <212> TYPE: DNA
125 <213> ORGANISM: Aspergillus oryzae
126 <400> SEQUENCE: 3
127        atttaaatga tgaagtccac cgctctg                                    27
129 <210> SEQ ID NO: 4
130 <211> LENGTH: 30
131 <212> TYPE: DNA
132 <213> ORGANISM: Aspergillus oryzae
133 <400> SEQUENCE: 4
134        gttaattaaa cttataccga aaaggtatgg                                 30
```

VERIFICATION SUMMARY DATE: 02/16/2006
PATENT APPLICATION: **US/09/615,571A** TIME: 11:26:04

Input Set : **N:\Crf4\02152006\I615571.raw**
Output Set: **N:\CRF4\02152006\I615571A.raw**